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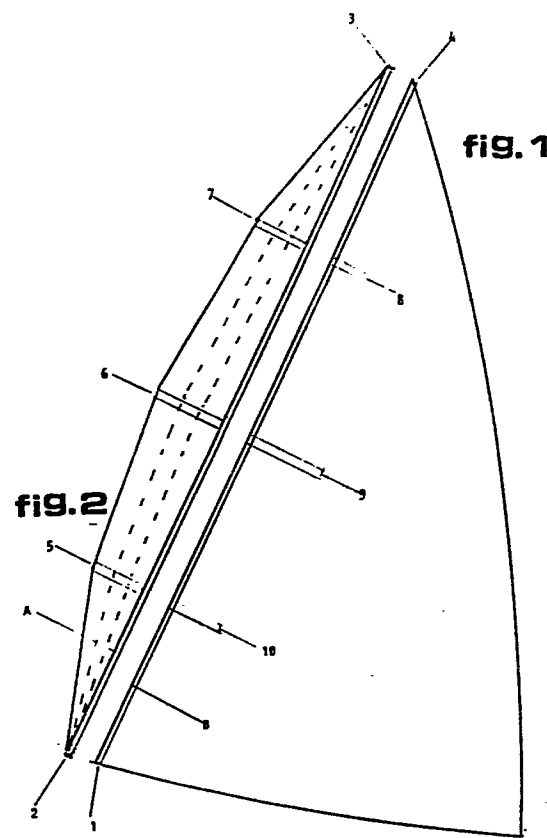
The enlargement of a basic sail for sailcraft by means of detachable segments.

(57)

Sail with provision to enlarge the sailarea by means of segments provided with fastening system without the need of changing the rigging of the basic sail.

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Title: The enlargement of a basic sail for a sailcraft by the attachment of detachable segments.

The enlargement of the sailarea of a sailing-vessel, sailing - cars etc. could up to now only be brought about by setting sails
5 with an adjusted area: a large sail in light wind conditions and a small sail for heavier winds. It was also possible to reduce the sailarea by means of reefing with a binding or rolling reef. The achievement of a larger sailarea could so far only be effected by replacing the relative small sail completely by a sail with
10 a larger area. In principle it could occur that this action had to be repeated several times so that a stock of sails with in - creasing sailarea had to be available.

This invention concerns a method with which, starting from a basic sail, the sailarea can be enlarged by fastening separate, detach-
15 able segments to the basic sail according to wish or need. The advantages of this system are:

- a) There will be no need of a large stock of sails;
 - b) It is considerably cost-effective;
 - c) The shape of the added segment enlarges the basic sail by its
20 cut, which is conform to that of the basic sail: segment and basic sail are adapted to each other.
 - d) The basic sail is characterized such that there is no need to loosen the setting of the sail, i.e. tack, clew and top remain attached to the mast.
- 25 The invention contains sails that are attached to mast or forestay and so-called flying sails.

Fig. 1 of the enclosures shows an example of a basic sail that can be enlarged by fastening a certain segment (Fig.2). The attachment of the enlarging segment can be done by means of a separable zip-
30 fastener, fastening tape or any other suitable fastening method. (A and B on Fig. 2 and Fig 1). The fastening starts by connecting 1 and 2 to each other; the basic sail and segment are then connected to each other over the whole length along the rectangular sides. At 3 and 4 both parts are secured by tape, press-buttons or other
35 means. In cases where necessary for the enlargement of the sail or where sailbattens are already applied in the basic sail (5, 6, 7, 8, 9 and 10) an extra part of a pocket will be stitched to the segment, having an open end which enables the batten to be put into the battenpocket on the basic sail. Fig. 3 shows this system in out-
40 line (pocketparts 6 and 9 and batten 11).

- 41 On fig. 4 the invention is applied on a foresail (12 and 13) and on fig. 5 on a so-called flying sail, e.g. a spinnaker (14 and 15).

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CLAIMS

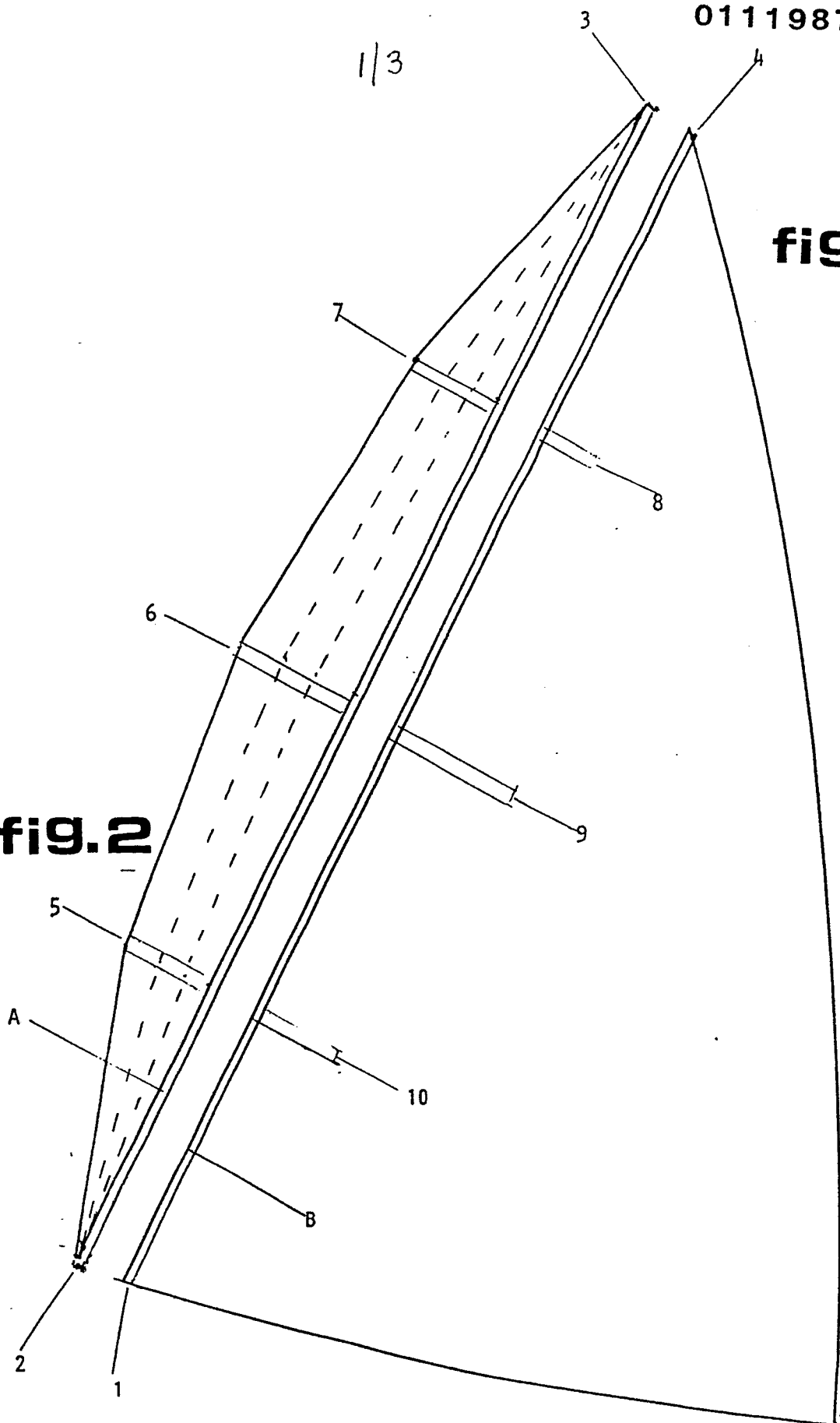
1. Basic mainsail, foresail or flying sail for a sailing-vessel or sailing-car and detachable segments with the characteristic that on basic sail and segments provisions are made such that with the aid of these provisions the
5. segments, which are adapted to the basic sail, can be fastened to the latter in order that an enlargement will be achieved and such that upon desire segments of various areas can be applied without the necessity of loosening the setting of the sail.
10. 2. Basic mainsail, foresail or flying sail for a sailing-vessel or sailing-car and detachable segments with the characteristic that the pockets for sailbattens on the segments are open in such a way that the sailbattens can be extended into the basic sail.
15. 3. As claims 1 and 2 with the characteristic that the detachable segment is cut in such a way that it will form a continuation of the basic sail.
4. Stock of sails according to claims 1, 2 and 3 with the characteristic that the connecting element consists of a
20. zipfastener, hook- and loopfasteners or press-buttons.

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fig.1

fig.2



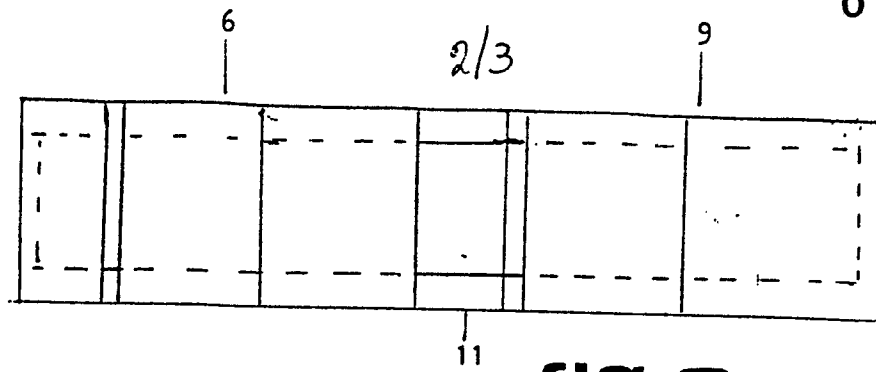


fig.3

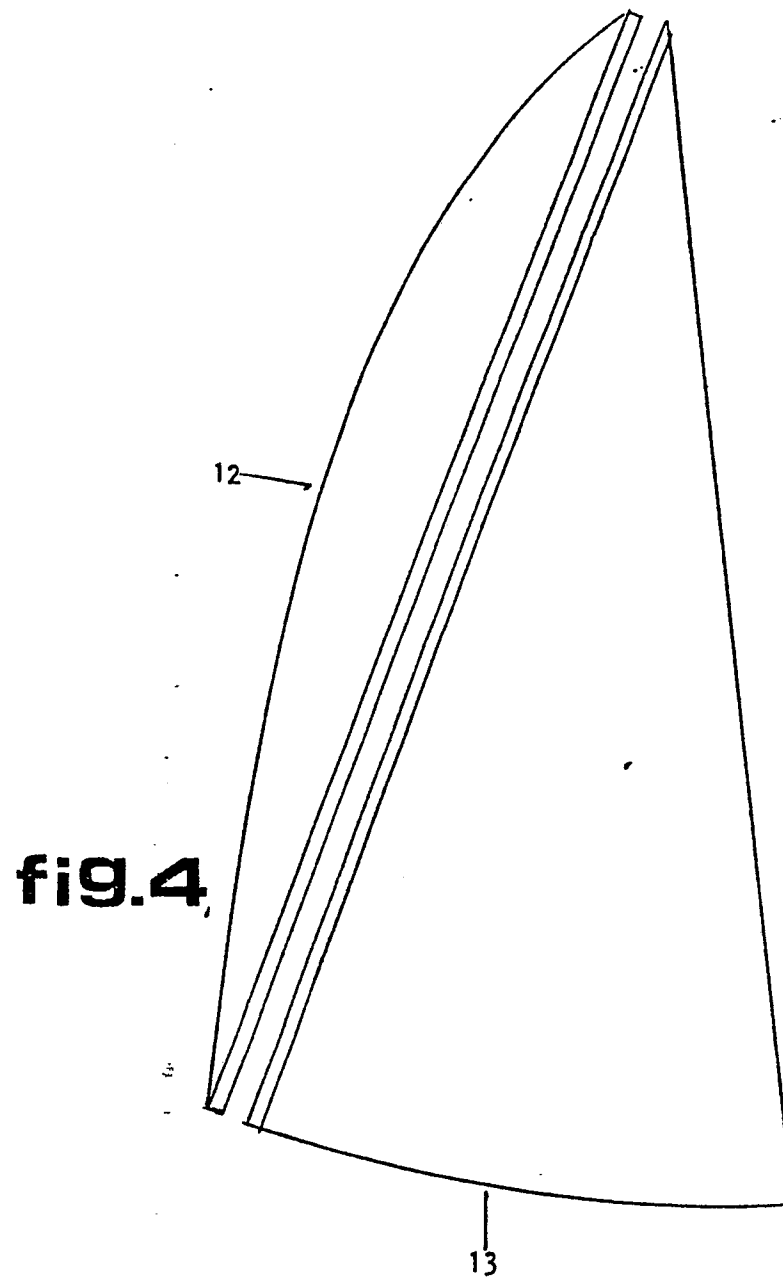


fig.4

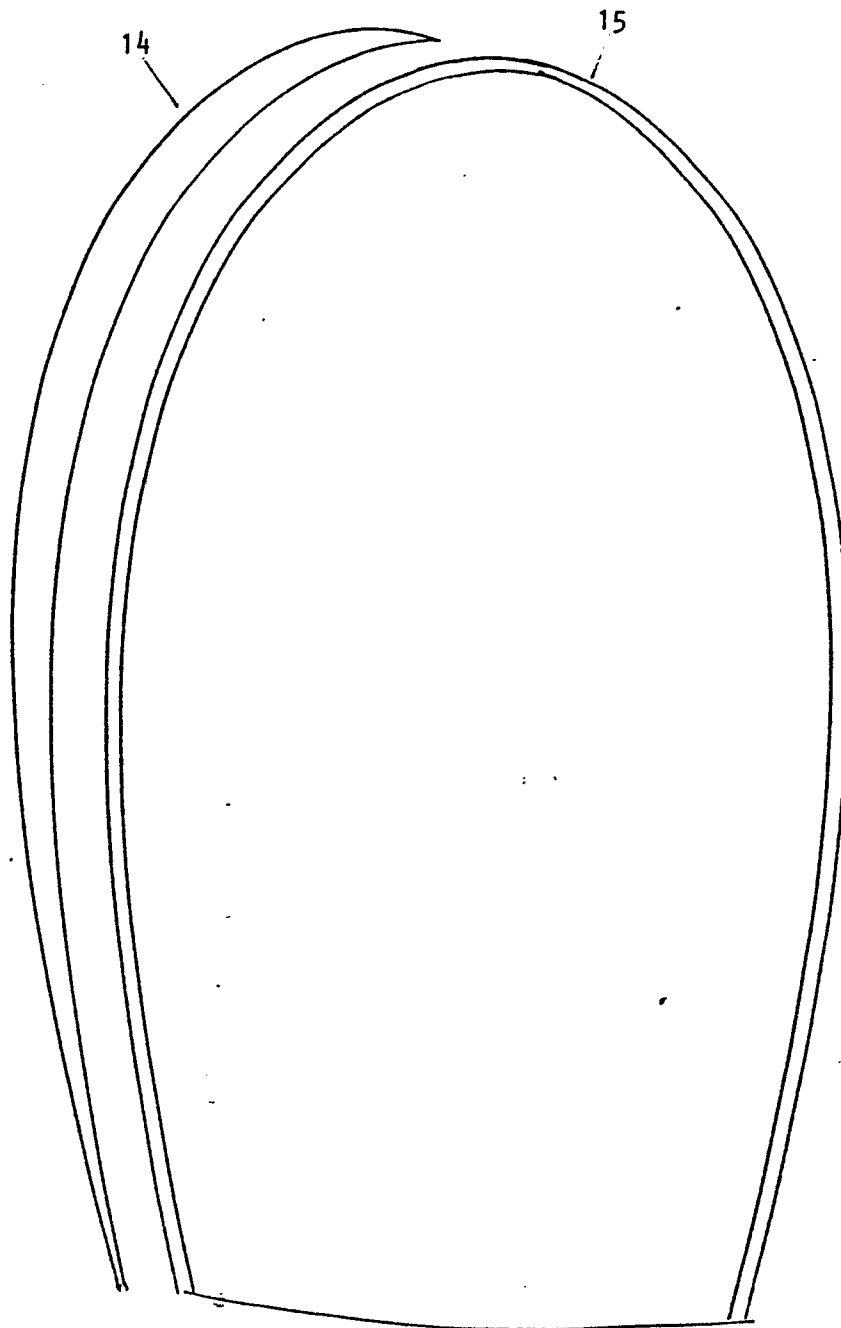


fig.5